

Title (en)
Valve component with multiple surface layers

Title (de)
Ventilkomponente mit mehreren oberflächenlagen

Title (fr)
Composant pour soupape à couches de surface multicouches

Publication
EP 2275725 A3 20111005 (EN)

Application
EP 10184285 A 20031218

Priority
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• EP 03816756 A 20031218
• US 0340681 W 20031218

Abstract (en)
[origin: EP2275725A2] A component (20, 22) for a faucet valve (10) comprising a substrate (18), an amorphous material (30) comprising carbon and having tetrahedral bonding of at least 40%, and a strengthening layer (23) configured to provide abrasion resistance for the substrate (18), wherein the strengthening layer is located between the substrate and the amorphous material.

IPC 8 full level
F16K 11/078 (2006.01); **F16K 3/02** (2006.01); **F16K 3/10** (2006.01)

CPC (source: EP US)
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Citation (search report)
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• [A] US 5763087 A 19980609 - FALABELLA STEVEN [US]
• [A] JP H03223190 A 19911002 - TOTO LTD
• [A] US 5799549 A 19980901 - DECKER THOMAS G [US], et al

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